

ILLINOIS WEATHER & CROPS



ILLINOIS
AGRICULTURAL
STATISTICS SERVICE

Box 19283, Springfield, IL 62784-9283

Phone: (217) 492-4295

U. S. DEPARTMENT OF AGRICULTURE
ILLINOIS DEPARTMENT OF AGRICULTURE



NATIONAL OCEANIC AND
ATMOSPHERIC ADMINISTRATION

Midwest Agricultural
Weather Service Center
Purdue University
West Lafayette, Indiana 47907
Phone: (317) 743-2272



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CROPS

Corn and soybean crops are still progressing 1-2 weeks ahead of average. Crop conditions remained nearly unchanged to slightly below the rated conditions of the previous week. This was due to the limited rainfall and generally hot weather over most of Illinois. The corn, soybean, and sorghum crops are generally reported in good condition, while the alfalfa hay crop and pastures are generally reported in fair condition. Reports of alfalfa leaf hoppers, spider mites, bean beetles, and other pests have increased because of the dry spell. Farmers have been baling, mowing set aside, roadsides, and wheat stubble spraying insects, and starting to harvest silage. All districts reported being short of soil moisture except the Southeast district, and no district reported a surplus. For the week of August 1-7, there was an average of 6 days reported as suitable for fieldwork.

On August 9, 88% of the **CORN** was in the dough stage compared to 78% last year and the 5-year average (1982-86) of 64%. Fifty percent of the corn was in the dent stage compared to 37% last year and the average of 21%. Condition of the corn crop on August 7 was reported to be 17% excellent, 55% good, 27% fair and 1% poor.

On August 9, 95% of the **SOYBEANS** were setting pods compared to 79% last year and the average of 68%. Condition of the soybean crop on August 7 was reported to be 9% excellent, 67% good, 23% fair, and 1% poor.

Condition of the **SORGHUM** crop on August 7 was rated as 23% excellent, 68% good, and 9% fair. On August 9, 95% of the sorghum acreage was headed compared to 78% last year.

On August 9 the third cutting of **ALFALFA HAY** was 50% complete, compared to 37% last year and the average of 32%. Condition of the crop on August 7 was reported as 4% excellent, 33% good, 43% fair, 18% poor, and 2% very poor.

PASTURE condition on August 7 was reported to be 3% excellent, 30% good, 45% fair, 13% poor, and 9% very poor.

SOIL MOISTURE on August 7 was reported as 64% short and 36% adequate.

ILLINOIS CROP REPORTING DISTRICT SUMMARY

District	:	Corn	:	Days Suit-	:	Soil
	:	Acreage	:	able for	:	Moisture Percent
	:	% Dented	:	fieldwork	:	Short :Adequate: Surplus
	:	Week ending August 9			:	Week ending August 7
Northwest	:	40	:	6.0	:	85 15 0
Northeast	:	25	:	6.5	:	60 40 0
West	:	65	:	6.0	:	100 0 0
Central	:	60	:	6.0	:	75 25 0
East	:	35	:	6.5	:	80 20 0
West-Southwest	:	65	:	7.0	:	80 20 0
East-Southeast	:	55	:	6.5	:	45 55 0
Southwest	:	65	:	6.0	:	55 45 0
Southeast	:	60	:	4.0	:	0 100 0
State	:	50	:	6.0	:	64 36 0
5-Yr. Avg.	:	21	:		:	

PRELIMINARY DISTRICT PRECIPITATION AVGS. AND DEPARTURES FROM NORMAL IN INCHES

	NW	NE	W	C	E	WSW	ESE	SW	SE
July	4.07	3.47	2.77	1.92	1.47	2.73	1.91	4.31	2.19
Departure	0.22	-0.06	-0.93	-1.39	-1.84	-0.72	-1.90	0.76	-1.53

JULY WEATHER SUMMARY

The Statewide average monthly **TEMPERATURE** was 2.6 degrees above normal as temperatures ranged from -1 degree to 6 degrees above normal. The warmest portion of the State was in the west section (near Galesburg). The coolest area was in a small area in the Southeast District (near Harrisburg). The month started with temperatures near normal, but was above normal by the second week as the maximum temperatures climbed into the 90's. The coolest period came during the mid-month and sent the minimum temperature readings into the 50's and 60's. Readings again climbed above normal during the third week and sent the mercury into the mid and upper 90's. A large number of stations reported 90 degrees or above on many days during July, making this one of the highest number of 90 degree days during the month of July.

PRECIPITATION averaged below normal in the State (-0.82 inches below normal). This was the 9th straight month that most of the districts were below normal. However, the Northwest and the Southwest Districts were slightly above normal. The largest below normal variation was in the East District (-2.40 inches below normal). The largest above normal variation was in the Southwest District (0.76 of an inch above normal). Once again, rainfall was widely scattered during the month. Urbana, in the East District, received the most rainfall during the month (7.85 inches). Over 4 inches deluged Urbana during a 24-hour period on the 31st. The area near Mattoon, in the East-Southeast District, only received a total of .31 of an inch of rain during July.

The **OUTLOOK** for the rest of August is for temperatures to be above normal, especially in the northern portion of Illinois. Precipitation will be near normal.

The 90-day outlook from August thru October is for temperatures to be near normal and precipitation to be above normal.

WEATHER

TEMPERATURES DURING THE WEEK OF AUGUST 4TH THROUGH THE 10TH AVERAGED OUT NEAR NORMAL TO SLIGHTLY ABOVE NORMAL WHICH WAS A WELCOME CHANGE FROM THE HEAT AND HUMIDITY IN THE PRECEDING WEEKS. WARMEST TEMPERATURES FOR THE PERIOD WERE REPORTED IN THE SOUTH WHERE SEVERAL 90 DEGREE OR GREATER HIGHS WERE REPORTED. BEHIND THE MORE SEASONAL TEMPERATURES WAS A CHANGE IN THE UPPER AIR, STEERING CURRENTS FROM A MID CONTINENT RIDGING PATTERN TO A STRAIGHT EAST TO WEST ZONAL FLOW WHICH SHOULD ALLOW FOR MORE FREQUENT FRONTAL PASSAGE AND THE INCREASED PRECIPITATION AND SEASONAL TEMPERATURES ASSOCIATED WITH THE FRONTS.

PRECIPITATION WAS ON THE INCREASE ACROSS THE STATE WITH SOME NORTHWESTERN SECTIONS RECEIVING HEAVY RAINS FOR THE FIRST TIME IN WEEKS. TOTALS RANGED FROM 3.42 INCHES IN THE ST LOUIS AREA DOWN TO ZERO AT OLIVE BRANCH, WHILE AMOUNTS WERE EXTREMELY VARIABLE ACROSS THE STATE. HEAVIEST TOTALS WERE GENERALLY FOUND IN WESTERN SECTIONS.

THE **OUTLOOK** FOR WEDNESDAY THROUGH FRIDAY IS CALLING FOR HEAT AND HUMIDITY TO RETURN WITH THE CHANCE FOR RAIN AGAIN ON WEDNESDAY. HIGHS WILL RANGE FROM THE MID-80'S NORTH TO MID-90'S SOUTH WITH LOWS IN THE MID AND UPPER 60'S WEDNESDAY RISING TO THE LOW AND MID-70'S BY THURSDAY.

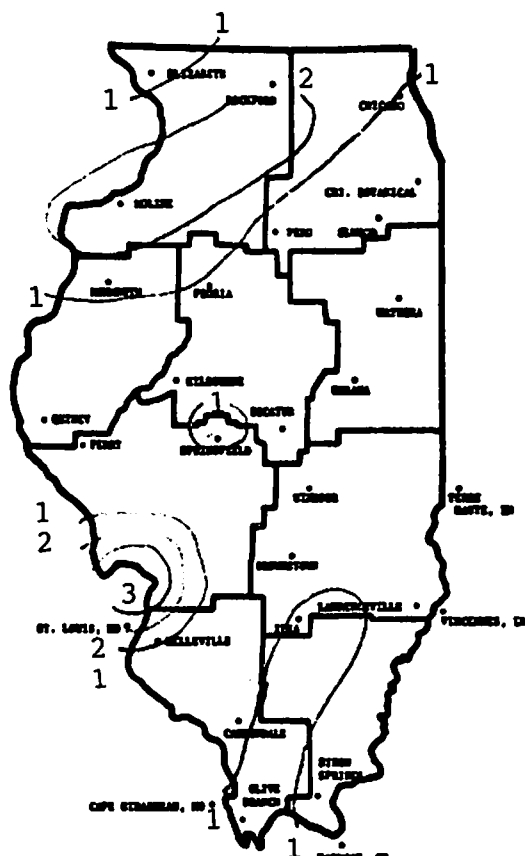
Week ending 8 A.M. Monday, August 10, 1987

Location	: Temperatures :			Precipitation			: Growing Degree Days (50F)		
	: Maxi-	: Mini-	: Depar-	: Curr.:	: Since:	: Departure	: Curr.:	: Since:	: Departure
	: mum	: mum	: ture	: week	: May 1:	: since May 1:	: week	: May 1:	: since May 1
ELIZABETH	82	61	0	0.96	7.84	-5.77	133	2054	269
ROCKFORD	83	64	1	2.10	14.23	0.07	166	2204	386
CHICAGO	84	66	2	0.39	8.34	-3.75	175	2248	444
CHI BOTANICAL	83	64	0	0.32	9.62	-2.99	141	2057	110
ELWOOD	85	64	1	0.65	12.08	-1.32	169	2213	367
WATSEKA	85	63	1	0.65	10.48	-4.02	170	2242	274
PERU	86	63	0	0.76	9.91	-3.16	165	2251	212
MOLINE	87	65	2	2.19	8.96	-5.75	178	2386	384
PEORIA	86	66	2	0.81	8.67	-4.18	179	2383	364
KILBOURNE	92	65	3	0.49	7.98	-5.10	103	2368	317
MONMOUTH	87	65	1	1.12	6.88	-6.52	177	2309	258
QUINCY	88	64	0	0.13	9.85	-4.15	176	2451	310
PERRY	89	64	0	0.50	8.49	-4.42	125	2245	115
SPRINGFIELD	88	66	1	1.29	10.06	-1.66	182	2498	324
DECATUR	84	65	0	0.19	13.65	-0.37	176	2429	266
URBANA	86	64	1	0.03	13.07	0.28	100	2301	305
WINDSOR	86	67	1	0.03	10.79	-2.70	133	2348	227
TERRE HAUTE	87	64	1	0.20	14.84	1.30	176	2392	306
ST LOUIS	90	70	NA	3.42	13.71	NA	198	2694	NA
BELLEVILLE	88	67	1	0.25	11.62	-0.33	105	2445	272
BROWNSTOWN	89	63	0	0.17	8.61	-4.88	125	2452	324
IUKA	90	61	-1	1.29	11.83	-0.73	169	2403	142
LAWRENCEVILLE	89	65	NA	0.05	12.13	NA	183	2460	NA
VINCENNES	89	67	2	0.04	13.07	-0.95	189	2475	286
DIXON SPRINGS	92	68	1	0.57	14.70	1.44	165	2507	173
PADUCAH	93	70	3	1.22	9.13	-4.70	199	2667	285
OLIVE BRANCH	90	65	0	0.00	11.19	-2.67	130	2535	266
CARBONDALE	91	63	0	1.13	11.73	-1.41	101	2388	183
C GIRARDEAU	91	70	NA	0.23	14.81	NA	201	2695	NA

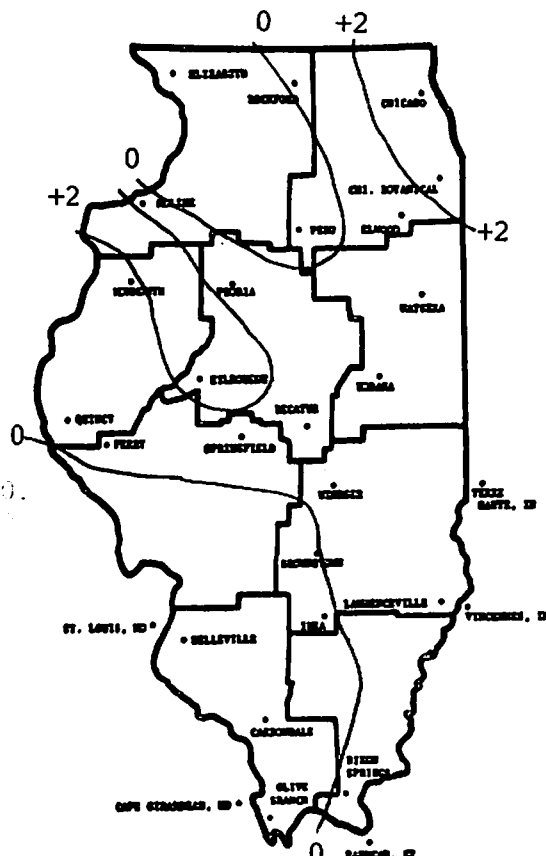
NEWSPAPER TIME VALUE

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PRECIPITATION (INCHES)
AUGUST 4-10, 1987



TEMPERATURE DEPARTURE FROM
AVERAGE (°F) AUGUST 4-10, 1987

CROP INFORMATION in this report is provided voluntarily by county officials of Extension Service and SCS, and agribusiness managers. Additional WEATHER INFORMATION is provided by the Illinois State Water Survey, IDE&NR, Champaign, Ill.; and National Weather Service Cooperative Observers, NOAA, Rosemont, Ill.